

Imaging process and device.**ABSTRACT**

Imaging process for generating a 3-dimension representation of a 3-dimension observation field, including the following steps:

- (a) detecting radiations emitted by a plurality of voxels in the observation field, through a collimator having radiation transmitting areas which are unevenly distributed, thus determining a detected 2-dimension distribution of the radiations detected through the collimator,
- (b) and determining an estimated 3-dimension distribution of the radiation emissions of the voxels in the observation field, which corresponds to the detected 2-dimension distribution.

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